This homework assignment is due at the end of week 4 but I do accept late homework. The numbered list below is not very detailed. For detailed instructions, see the video.

Screencast: homework2-screencast.webm or homework2-screencast.mp4

1) On your student KVM virtual machine as root run the fdisk command. There is free / unused space at the end of your virtual disk. Create a new partition. Leave it the default type of Linux. Write out your changes.

2) Reboot your student virtual machine and wait about 60 seconds and log back in as root.

3) Use mkfs.ext4 to format your new partition with a filesystem.

4) mkdir /backup

5) Mount your new partition on /backup

6) Add an entry in the /etc/fstab so the new partition will be automatically mounted on future reboots. Make sure you get the entry just perfect because if there is a typo, it can cause your VM to not boot, requiring me to fix it for you. **NOTE: If you use vi or vim, DO NOT give the -w parameter. I use the -w parameter with nano which means don't auto-wordwrap. -w with vi or vim means something completely different and it can mess up how the file is parsed by the system.**

When you are done, create a /root/HOMEWORK/2.txt file and put in that file "I'm done with homework 2, please check it". When I check your homework (sometime after it is due), I'll put feedback in /root/HOMEWORK/feedback.txt that will contain your homework results and any feedback I might have.

If you have any questions or issues, ask in class... call, email or stop by my office.